Table H-1. Diagnostic accuracy of included studies with subjects ages 6 and under

| **Quality (Study)**a  **N Subjects**  **Diagnostic Tool(s)** | **Gold Standard** | **Overall Accuracy** | **AUC** | **Sensitivity** | **Specificity** | **PPV** | **NPV** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Observational assessment studies** |  |  |  |  |  |  |  |
| Fair quality (Bunte, 20131,2)  178 subjects  (120 ADHD, 58 non-ADHD)   1. Disruptive Behavior – Diagnostic Observation Schedule | Clinical interview with psychiatrist and psychologist who agreed on diagnosis using K-DBDS semi-structured DSM-4 interview |  | 92% | 87% | 79% |  |  |
| **Executive function studies** |  |  |  |  |  |  |  |
| Fair quality (Thorell, 20103)  52 subjects  (22 ADHD, 30 non-ADHD)   1. Childhood Executive Function Inventory–Parent rating inhibition subscale | Children met the symptom criteria, the age of onset criterion (i.e., <7 years) the pervasiveness criterion (symptoms present in two settings), and the duration criterion (>6 months) for ADHD according to DSM-IV. Subjects saw a child psychologist and if deemed "at risk" they were given scales to confirm diagnosis. | 93.3% |  | 93.3% | 93.3% |  |  |
| **Standardized questionnaire studies** |  |  |  |  |  |  |  |
| Fair quality (Bunte, 20131,2)  Subgroup = ADHD subtypes  168 subjects  (110 ADHD HI, 58 non-ADHD)   1. Kiddie-Disruptive Behavior Disorder Schedule (K-DBDS) – specific coding method | Clinical interview with psychiatrist and psychologist who agreed on diagnosis using K-DBDS semi-structured DSM-4 interview |  | 98% (ADHD-HI) | 77% (ADHD-HI) | 98% (ADHD-HI) |  |  |

a See Methods section “Quality Assessment of Individual Studies” for definitions of quality assessment ratings.

Abbreviations: ADHD=attention deficit hyperactivity disorder; ADHD-C=ADHD combined type; ADHD-HI=ADHD hyperactive/impulsive type; ADHD-I=ADHD inattentive type; AUC=area under the curve; CPT=continuous performance test; EEG=electroencephalogram; IVA=integrated visual and auditory; MRI=magnetic resonance imaging; NPV= negative predictive value; PPV= positive predictive value; TOVA=test of variables of attention